```
==============================================================
Sequence Listing was accepted.
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217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: Wed Oct 31 10:35:30 EDT 2007
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Application No: 10540818   Version No: 1.0

Input Set:

Output Set:

Started: 2007-10-16 12:20:48.983
Finished: 2007-10-16 12:20:51.241
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 258 ms
Total Warnings: 24
Total Errors: 0
No. of SeqIDs Defined: 34
Actual SeqID Count: 34

Error code   Error Description

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W   213   Artificial or Unknown found in <213> in SEQ ID (8)

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W   213   Artificial or Unknown found in <213> in SEQ ID (10)

W   213   Artificial or Unknown found in <213> in SEQ ID (12)

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          Input Set:


          Output Set:



            Started:   2007-10-16 12:20:48.983
           Finished:   2007-10-16 12:20:51.241
            Elapsed:   0 hr(s) 0 min(s) 2 sec(s) 258 ms
     Total Warnings:   24
       Total Errors:   0
 No. of SeqIDs Defined:  34
  Actual SeqID Count:    34
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Error code   Error Description

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<212> PRT
<213> Mus musculus

<400> 2

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Gly Thr Leu Ala Lys Asp Thr Thr Val Lys Ser Gly Ala Lys Lys Asp
            20   25   30

Pro Lys Asp Ser Arg Pro Lys Leu Pro Gln Thr Leu Ser Arg Gly Trp
        35   40   45

Gly Asp Gln Leu Ile Trp Thr Gln Thr Tyr Glu Glu Ala Leu Tyr Arg
    50   55   60

Ser Lys Thr Ser Asn Arg Pro Leu Met Val Ile His His Leu Asp Glu
65   70   75   80

Cys Pro His Ser Gln Ala Leu Lys Lys Val Phe Ala Glu His Lys Glu
                85   90   95

Ile Gln Lys Leu Ala Glu Gln Phe Val Leu Leu Asn Leu Val Tyr Glu
            100   105   110

Thr Thr Asp Lys His Leu Ser Pro Asp Gly Gln Tyr Val Pro Arg Ile
        115   120   125

Val Phe Val Asp Pro Ser Leu Thr Glu Arg Ala Asp Ile Thr Gly Arg
    130   135   140

Tyr Ser Asn Arg Leu Tyr Ala Tyr Glu Pro Ser Asp Thr Ala Leu Leu
145   150   155   160

Tyr Asp Asn Met Lys Lys Ala Leu Lys Leu Leu Lys Thr Glu Leu
                165   170   175

<210> 3
<211> 175

<212> PRT
<213> Mus musculus

<400> 3

Met Glu Lys Phe Ser Val Ser Ala Ile Leu Leu Leu Val Ala Ile Ser
1   5   10   15

Gly Thr Leu Ala Lys Asp Thr Thr Val Lys Ser Gly Ala Lys Lys Asp
            20   25   30

Pro Lys Asp Ser Arg Pro Lys Leu Pro Gln Thr Leu Ser Arg Gly Trp
            35   40   45

Gly Asp Gln Leu Ile Trp Thr Gln Thr Tyr Glu Glu Ala Leu Tyr Arg
        50   55   60

Ser Lys Thr Ser Asn Arg Pro Leu Met Val Ile His His Leu Asp Glu
65   70   75   80

Cys Pro His Ser Gln Ala Leu Lys Lys Val Phe Ala Glu His Lys Glu
                85   90   95

Ile Gln Lys Leu Ala Glu Gln Phe Val Leu Leu Asn Leu Val Tyr Glu
                100   105   110

Thr Thr Asp Lys His Leu Ser Pro Asp Gly Gln Tyr Val Pro Arg Ile
            115   120   125

Val Phe Val Asp Pro Ser Leu Thr Val Arg Ala Asp Ile Thr Gly Arg
        130   135   140

Tyr Ser Asn Arg Leu Tyr Ala Tyr Glu Pro Ser Asp Thr Ala Leu Leu
145   150   155   160

Tyr Asp Asn Met Lys Lys Ala Leu Lys Leu Leu Lys Thr Glu Leu
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<210> 4
<211> 175
<212> PRT
<213> Homo sapiens

<400> 4

Met Glu Lys Ile Pro Val Ser Ala Phe Leu Leu Leu Val Ala Leu Ser

Tyr Thr Leu Ala Arg Asp Thr Thr Val Lys Pro Gly Ala Lys Lys Asp
        20   25   30

Thr Lys Asp Ser Arg Pro Lys Leu Pro Gln Thr Leu Ser Arg Gly Trp
        35   40   45

Gly Asp Gln Leu Ile Trp Thr Gln Thr Tyr Glu Glu Ala Leu Tyr Lys
        50   55   60

Ser Lys Thr Ser Asn Lys Pro Leu Met Ile Ile His His Leu Asp Glu
65   70   75   80

Cys Pro His Ser Gln Ala Leu Lys Lys Val Phe Ala Glu Asn Lys Glu
        85   90   95

Ile Gln Lys Leu Ala Glu Gln Phe Val Leu Leu Asn Leu Val Tyr Glu
        100   105   110

Thr Thr Asp Lys His Leu Ser Pro Asp Gly Gln Tyr Val Pro Arg Ile
        115   120   125

Met Phe Val Asp Pro Ser Leu Thr Val Arg Ala Asp Ile Thr Gly Arg
        130   135   140

Tyr Ser Asn Arg Leu Tyr Ala Tyr Glu Pro Ala Asp Thr Ala Leu Leu
145   150   155   160

Leu Asp Asn Met Lys Lys Ala Leu Lys Leu Leu Lys Thr Glu Leu
                165   170   175

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gataccacag tcaaacctgg agccaaaaag gacacaaagg actctcgacc caaactgccc   180

cagaccctct ccagaggttg gggtgaccaa ctcatctgga ctcagacata tgaagaagct   240

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gagcagtttg tcctcctcaa tctggtttat gaaacaactg acaaacacct ttctcctgat    420

ggccagtatg tccccaggat tatgtttgtt gacccatctc tgacagttag agccgatatc    480

actggaagat attcaaatcg tctctatgct tacgaacctg cagatacagc tctgttgctt    540

gacaacatga agaaagctct caagttgctg aagactgaat tgtaaagaaa aaaaatctcc    600

aagcccttct gtctgtcagg ccttgagact tgaaaccaga agaagtgtga gaagactggc    660

tagtgtggaa gcatagtgaa cacactgatt aggttatggt ttaatgttac aacaactatt    720

ttttaagaaa aacaagtttt agaaatttgg tttcaagtgt acatgtgtga aaacaatatt    780

gtatactacc atagtgagcc atgattttct aaaaaaaaaa ataaatgttt tgggggtgtt    840

ctgttttctc caacttggtc tttcacagtg gttcgtttac caaataggat taaacacaca    900

caaaatgctc aaggaaggga caagacaaaa ccaaaactag ttcaaatgat gaagaccaaa    960

gaccaagtta tcatctcacc acaccacagg ttctcactag atgactgtaa gtagacacga   1020

gcttaatcaa cagaagtatc aagccatgtg ctttagcata aaagaatatt tagaaaaaca   1080

tcccaagaaa atcacatcac tacctagagt caactctggc caggaactct aaggtacaca   1140

ctttcattta gtaattaaat tttagtcaga ttttgcccaa cctaatgctc tcagggaaag   1200

cctctggcaa gtagctttct ccttcagagg tctaatttag tagaaaggtc atccaaagaa   1260

catctgcact cctgaacaca ccctgaagaa atcctgggaa ttgaccttgt aatcgatttg   1320

tctgtcaagg tcctaaagta ctggagtgaa ataaattcag ccaacatgtg actaattgga   1380

agaagagcaa agggtggtga cgtgttgatg aggcagatgg agatcagagg ttactagggt   1440

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cctctactgc ccagcccctc ctgatttctt tggcccctgg actatggtgc tgtatataat   1620

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<212>   DNA
<213>   Mus musculus

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cacagtcaaa tctggagcca aaaaggaccc aaaggactct cggcccaaac tacctcagac       180

actctccaga ggttggggcg atcagctcat ctggactcag acatacgaag aagctttata       240

cagatccaag acaagcaaca gacccttgat ggtcattcat cacttggacg aatgcccaca       300

cagtcaagcc ttaaagaaag tgtttgctga acataaagaa atccagaaat tggcagagca       360

gtttgttctc ctcaacctgg tctatgaaac aaccgacaag cacctttctc ctgatggcca       420

gtacgtcccc agaattgtgt ttgtagaccc atccctgacg gtgagggcag acatcactgg       480

acgatactca aaccggctct acgcttatga accttctgac acagctttgt tgtacgacaa       540

catgaagaaa gctctcaagc tgctaaagac agaattgtag agctaactgc gcaccgggtc       600

aggagaccag aaggcagaag cactgtggac ttgcagatta cagtacagtt taatgttaca       660

acagatatat tttttaaaca cccacaggtg gggaaacaat attattatct actacagtga       720

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a                                                                     781


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<210>   9
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<210> 10
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cagccatttc accaggagaa cacgttgaat ggaccttttt aaaaagaaag cggaaggaaa   180

actaaggatg atcgtcttgc ccaggtgtct tgttctccgg cctggactgt gataccgtta   240

tttatgagag actttcagtg ccctttctac agttggaagg ttttctttat atactattcc   300

caccatgggg agcgaaaang ttaaaaaaaa aagaaaaaaa tcacaaggaa ttgcccaatg   360

taagcagact ttgccttttc acaaaggtgg agcgtgaatt ccagaaggac ccagtattcg   420

gttacttaaa tgaagtcttc ggtcagaaat ggcctttttg acacgagcct actgaatgct   480

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gagttttctt gtatagtggc agaaataacc tatttctgca ttaaaatgta atgacgtact   600

tatgctaaac ttttataaa agtttagttg taaacttaac ccttttatac aaaataaatc   660

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<223> primer 1 Idb2-SNP-marker

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tgtgtgtgtg tatgtatatg tgtataatta ttattattag ggattgaatc taggtagaca   180

ttctaccaca gagacaaacc accagccctg ctcctcaaat ccttacctca atttcttttt   240

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<210> 15
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<210>   29
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<212>   DNA
<213>   Homo sapiens

<400>   29

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cagaccctct ccagaggttg gggtgaccaa ctcatctgga ctcagacata tgaagaagct     240

ctatataaat ccaagacaag caacaaaccc ttgatgatta ttcatcactt ggatgagtgc     300

ccacacagtc aagctttaaa gaaagtgttt gctgaaaata aagaaatcca gaaattggca     360

gagcagtttg tcctcctcaa tctggtttat gaaacaactg acaaacacct ttctcctgat     420

ggccagtatg tccccaggat tatgtttgtt gacccatctc tgacagarag agccgatatc     480

actggaagat attcaaatcg tctctatgct tacgaacctg cagatacagc tctgttgctt     540

gacaacatga agaaagctct caagttgctg aagactgaat tgtaaagaaa aaaaatctcc     600

aagcccttct gtctgtcagg ccttgagact tgaaaccaga agaagtgtga gaagactggc     660

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catctgcact cctgaacaca ccctgaagaa atcctgggaa ttgaccttgt aatcgatttg    1320

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gaattgtgtg ttaatgtctt cactctatac ttaatctcac attcattaat atatggaatt    1560

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gctttgcagt atctgttgct tgtcttgatt aacttttttg gataaaacct tttttgaaca    1680

gaaaaaaaaa aaaaaaaaaa a                                             1701
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<210> 30
<211> 175
<212> PRT
<213> Homo sapiens

<400> 30

Met Glu Lys Ile Pro Val Ser Ala Phe Leu Leu Leu Val Ala Leu Ser
1   5   10   15

Tyr Thr Leu Ala Arg Asp Thr Thr Val Lys Pro Gly Ala Lys Lys Asp
            20   25   30

Thr Lys Asp Ser Arg Pro Lys Leu Pro Gln Thr Leu Ser Arg Gly Trp
        35   40